

PCB Congeners Analysis

Rtx®-PCB Columns (fused silica)

(proprietary Crossbond® phase)

- Unique polymer for PCBs analysis by GC/ECD or GC/MS.
- Good results for other semivolatiles.
- Low polarity; inert to active compounds.
- Stable to 340 °C.

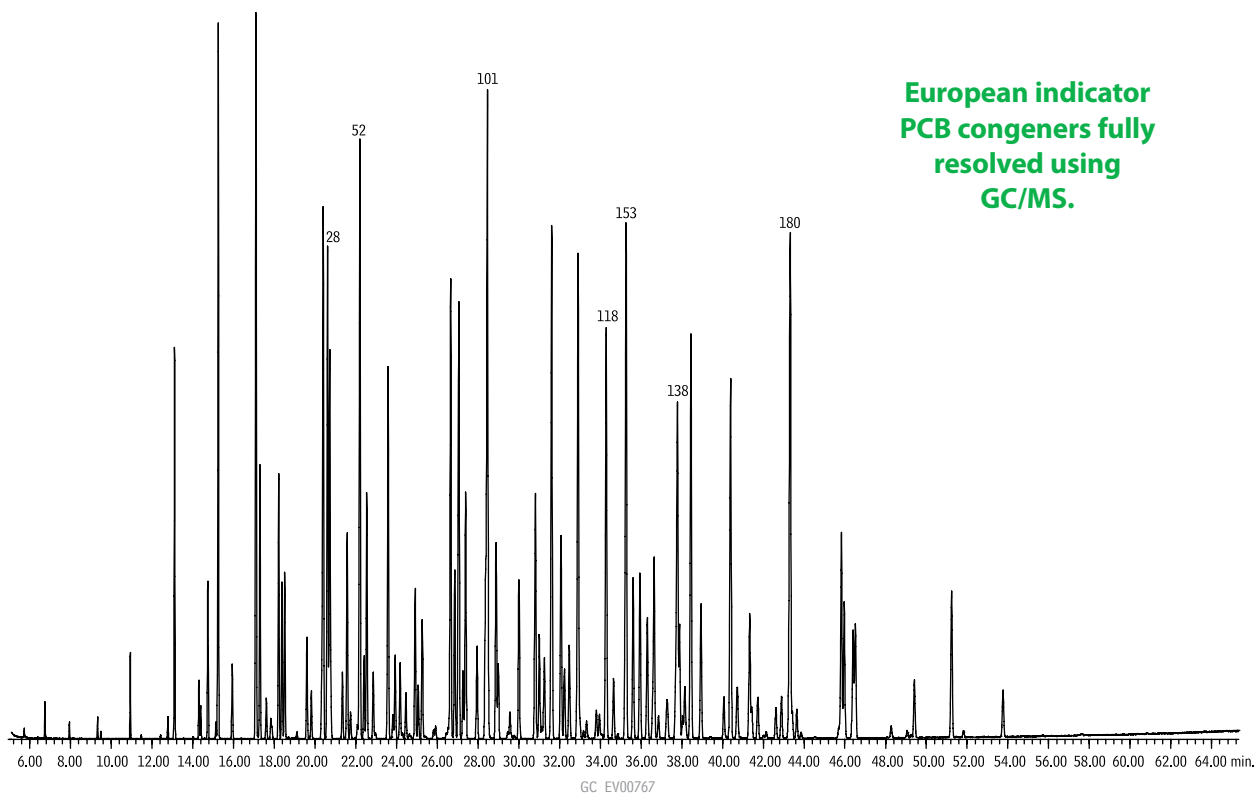
restek **innovation!**



ID	df	temp. limits*	20-Meter	30-Meter	40-Meter	60-Meter
0.18mm	0.18µm	30°C to 320/340°C	41302		41303	41304
0.25mm	0.25µm	30°C to 320/340°C		13223		13226
0.32mm	0.50µm	30°C to 320/340°C		13239		

*Maximum temperatures listed are for 15- and 30-meter lengths. Longer lengths may have a slightly reduced maximum temperature.

Aroclor 1242/1254/1262 PCBs on Rtx®-PCB: best available resolution of individual congeners.



European indicator
PCB congeners fully
resolved using
GC/MS.

Column: Rtx®-PCB, 60m, 0.25mm ID, 0.25µm (cat.# 13226)
 Sample: Aroclor 1242 (cat.# 32009), 1254 (cat.# 32011), 1262 (cat.# 32409), 333ppm each
 Inj.: 1.0µL splitless (hold 0.75 min.), 4mm single gooseneck inlet liner w/wool (cat.# 22405)
 Inj. temp.: 280°C
 Carrier gas: helium, constant flow
 Flow rate: 1.1mL/min.
 Oven temp.: 100°C (hold 1 min.) to 200°C @ 30°C/min., to 320°C @ 2°C/min. (hold 1 min.)
 Det.: MS
 Transfer line temp.: 280°C
 Scan range: 50 to 550amu
 Ionization: EI
 Mode: scan